

# PATENT ABSTRACTS OF JAPAN

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(71)Applicant : FUJITSU GENERAL LTD

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## (54) AUTOMATIC HUE ADJUSTMENT DEVICE

(57)Abstract:

PURPOSE: To attain easy to see picture by detecting a color change in an external light so as to control the hue thereby and correcting a color change in a visual sense of a displayed color on a screen due to a color change of an external light made incident on a screen display section.

CONSTITUTION: Light sensors 8, 9, 10 detect light of red, blue and green colors respectively and the light is A/D-converted and the result is inputted to a control section 1, each input is compared and the result is converted into a DC voltage through a D/A converter 5 and it is inputted to a hue control circuit 6. A subcarrier whose phase is synchronously with a burst signal is changed based on the input from the D/A converter 5 and the result is inputted to a color demodulation circuit 7, which applies color demodulation with a color signal extracted from a video signal and the result is outputted. Thus, the light sensor 8 detects a red light and when the incident light is increased, the output level is increased and the hue is controlled to change the hue toward the green light side, then the red appearance of a television screen is corrected and easiness to see picture is obtained.

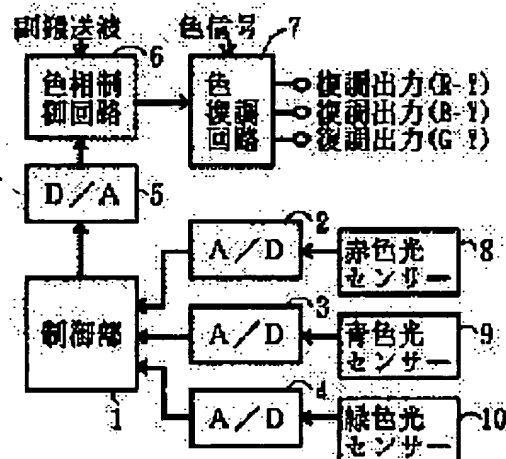


Fig. 1

## LEGAL STATUS

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L11: Entry 2 of 2

File: DWPI

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TITLE: Automatic colour regulator for television receivers - uses hue controlling circuit to sense colour change of outside light and thereby adjusts colour on display screen

PATENT-ASSIGNEE:

ASSIGNEE

CODE

FUJITSU GENERAL KK

GENH

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ABSTRACTED-PUB-NO: JP 06217338A

BASIC-ABSTRACT:

The automatic hue regulator has a controller (1), A/D converters (2,3,4), D/A converter (5), hue controlling circuit (6), colour recovery circuit (7) and optical sensors (8,9,10). The hue controlling circuit detects colour change of an external light and projects it on a display screen. The hue controlling circuit and the light sensor provides a variable phase sub carrier of chrominance signal.

The output of the colour phase controlling circuit and chrominance video signal is fed as input to colour recovery circuit to perform colour demodulation. Thus the hue is automatically regulated.

ADVANTAGE - Improves clarity.

CHOSEN-DRAWING: Dwg.1/3

TITLE-TERMS: AUTOMATIC COLOUR REGULATE TELEVISION RECEIVE HUE CONTROL CIRCUIT SENSE COLOUR CHANGE LIGHT ADJUST COLOUR DISPLAY SCREEN

DERWENT-CLASS: U24 W03 W04

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